

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
17 February 2005 (17.02.2005)

PCT

(10) International Publication Number
WO 2005/014022 A1

(51) International Patent Classification⁷: A61K 38/18, G01N 33/74, A01K 67/027, C12N 15/09, A61P 3/04, 3/10

(21) International Application Number: PCT/EP2004/007917

(22) International Filing Date: 15 July 2004 (15.07.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 03016169.9 16 July 2003 (16.07.2003) EP

(71) Applicant (for all designated States except US): DEVEL- OGEN AKTIENGESELLSCHAFT FUR ENTWICK- LUNGSBIOLOGISCHE FORSCHUNG [DE/DE]; Rudolf-Wissell-Str. 28, 37079 Göttingen (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): ONICHTCHOUK, Daria [RU/DE]; Auf der Lieth 10, 37077 Göttingen (DE). BURK, Ulrike [DE/DE]; Kurze Geismarstr. 27, 37073 Göttingen (DE).

(74) Agents: WEICKMANN & WEICKMANN et al.; Postfach 860 820, 81635 München (DE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: USE OF PLEITROPHIN FOR PREVENTING AND TREATING PANCREATIC DISEASES AND/OR OBESITY AND/OR METABOLIC SYNDROME

(57) Abstract: The present invention discloses the protein pleitrophin secreted by the developing pancreas, and polynucleotides, which identify and encode this protein. The invention also relates to the use of these sequences in the diagnosis, study, prevention, and treatment of pancreatic diseases (e.g. diabetes), obesity, and/or metabolic syndrome.

WO 2005/014022 A1